

# Nguyen Phuc Khang

## Fullstack Developer

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### SUMMARY

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I am a **Fullstack Developer** with 1.5 years of experience in **JavaScript, TypeScript, and Python**, proficient in popular frameworks and libraries such as **ReactJS, NextJS, and NodeJS**. I am passionate about web development and AI research, with hands-on experience in building dynamic, responsive websites and training AI models for diverse applications.

### EDUCATION

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**International University, VNUHCM**

*Bachelor of Engineering in Information Technology*

09/2020 - 09/2024

*GPA: 80.1/100*

### LANGUAGES

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**English:** IELTS 6.5 Academic - Advanced working efficiency

**Vietnamese:** Native

### TECH STACKS

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**Programming languages:** JavaScript, TypeScript, Python, Java

**Frameworks:** ReactJS, NextJS, MaterialUI, TailwindCSS, Zalo Mini App, NodeJS, FastAPI, MySQL

**Tools:** Vercel, Git, GitHub, Vite

### EXPERIENCE

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**Front-end developer, AI Engineer**

06/2023 - Present

*AIoT Lab VN*

- Design websites UI of BME10 Web Application and IU Youth Union Zalo Mini App
- Train the AI models for the acnes detection and Face Analysis project.

**Teaching Assistant**

09/2023 - 07/2024

*International University*

- Assist the lecturer in the subject of Computer Networks, Internet of Things, Mobile Application Development

**Fullstack Developer (Internship)**

09/2023 - 12/2023

*South Ant*

- **Front-end:** Develop and maintain front-end functionality of websites using JavaScript, ReactJS, MaterialUI
- **Back-end:** Hands on experience with NodeJS to build RESTful API for data interaction

**IT Helpdesk**

03/2021 - Present

*International University*

- Perform maintenance and troubleshooting assistance related to the software, hardware, and network components
- Perform fresh setup for new computers (including fresh installation of Windows OS, required software, and additional peripherals)

## PROJECTS

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### Portfolio

- **Description:** My personal website to showcase my work and field of interests as I grow in the industry
- **Team size:** 1 member
- **Position:** Fullstack Developer
- **Tech stacks:** ReactJS, Vite, Vercel
- **URL:** npkhang.id.vn

### BME10 Web Application (International University)

07/2024

- **Description:** A web application served for BME10 International Conference for papers lookup and sessions schedules
- **Team size:** 1 member
- **Position:** Front-end developer
- **Responsibilities:**
  - + Design user-friendly UI for the user to check the papers and sessions schedule
  - + Fetch and handle data from a Google Sheet and display on the website in a proper logic.
- **Tech stacks:** ReactJS, GoogleSheetsAPI
- **URL:** bme10.aiotlab.io.vn

### Watermeter Reader (AI4IA)

06/2024

- **Description:** An AI system reading water meter numbers and calculate the water consumption of a household.
- **Team size:** 2 members
- **Position:** AI Engineer
- **Responsibilities:**
  - + Design user-friendly UI for the user to check the papers and sessions schedule
  - + Fetch and handle data from a Google Sheet and display on the website in a proper logic
- **Tech stacks:** YOLO, OCR, Streamlit
- **URL:** ai4ia-watermeter.streamlit.app

### ACNE10 - Acnes Detection System using AIoT technologies (AI4IA)

06/2024

- **Description:** An AI system for detecting and classifying 12 different types of acne lesions and differential diagnoses
- **Team size:** 1 member
- **Position:** Fullstack Developer
- **Responsibilities:**
  - + Collecting data, fine-tuning, training the ACNE10
  - + Implement API and host model live on remote server
  - + Designing applications integrating ACNE10
- **Results:** The project is registered for graduation thesis and achieved a final score of 98/100 in the defense. The project also earned interest from acne experts from Hoan My Hospital to be applied to real-time treatment.
- **Tech stacks:** FastAPI, YOLO (PyTorch), Streamlit, ZaloMiniApp
- **URL:** ACNE10

### Humanology Analysis (ZenS)

04/2024 - 07/2024

- **Description:** An AI system to analyze humanology based on facial features
- **Team size:** 3 members

- **Position:** AI Engineer
- **Responsibilities:**
  - + Collecting data, training models
  - + Implement API and host model live on remote server
- **Tech stacks:** Flask, YOLO (PyTorch), OpenCV, Python
- **URL:** faceai-ui.myzens.net

### **Zalo Mini App - IU Youth Union (International University)**

04/2023 - 07/2023

- **Description:** An application for the IU Youth Union, used together with their website to reach out to the community. This project applied the concept of web crawling using React libraries so that the application could be used together with the original website
- **Team size:** 2 members
- **Position:** Fullstack Developer
- **Responsibilities:**
  - + Analyze customer's requirements
  - + Make decisions on application designing approach
  - + Propose and implement the core logic of the application
- **Tech stacks:** ZaloMiniApp, GoogleDriveAPI, GoogleSheetsAPI
- **URL:** Zalo Mini App - IU Youth Union

## CERTIFICATIONS

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<b>GitHub Foundations</b>	11/2024
<b>CCNA: Switching, Routes and Wireless Essentials</b>	01/2023
<b>CCNA: Introduction to Networks</b>	12/2022
<b>Google IT Support</b>	10/2021

## AWARDS

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<b>Best poster award</b>	05/2023
<ul style="list-style-type: none"> <li>• ACNE8M - An acnes detection and differential diagnosis system using AI technologies at The conference on Application of Digital Transformation and Artificial Intelligence in Disease Diagnosis and Treatment, Thong Nhat Hospital</li> </ul>	

## REFERENCES

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**Le Duy Tan, Ph.D** - Operation Director, AIoT Lab VN - ldtan@ai4ia.cc  
**Mai Hoang Bao An, Ph.D** - Engineering Director, AIoT Lab VN - maihoangbaoan87@gmail.com  
**Ha Viet Uyen Synh, Ph.D** - Head of Center of Information Services, International University - hvusynh@hcmiu.edu.vn